

Title (en)

PHACOEMULSIFICATION SURGICAL MULTI-USE PACK USAGE TRACKER SYSTEM

Title (de)

VERFOLGERSYSTEM FÜR NUTZUNG EINES CHIRURGISCHEN MEHRZWECKPACKS ZUR PHAKO-EMULSIFIKATION

Title (fr)

SYSTÈME DE SUIVI D'UTILISATION DE NÉCESSAIRE CHIRURGICAL MULTI-USAGE DE PHARMACO-ÉMULSIFICATION

Publication

EP 3549621 A1 20191009 (EN)

Application

EP 19166895 A 20170203

Priority

- US 201615017501 A 20160205
- EP 17705750 A 20170203
- US 2017016504 W 20170203

Abstract (en)

A surgical cassette/ pack usage tracker for tracking a number of uses for a cassette/ pack to prohibit uses from exceeding a maximum amount. A usage tracker system engages with or scans a portion of the cassette/ pack to determine the number of uses. In illustrative embodiments, an implement interacts with a film in the cassette after each use and determines remaining uses for the cassette/ pack. In other embodiments, an implement interacts with a rotatable wheel that rotates with each use, the implement configured to permit the tracker to identify the number uses and determine remaining uses for the cassette/ pack. When a maximum usage amount is reached, the tracker system may issue a warning, eject or reject the cassette/ pack and/ or disable the surgical device from further use.

IPC 8 full level

A61M 1/00 (2006.01); **A61F 9/007** (2006.01)

CPC (source: EP US)

A61B 50/30 (2016.02 - US); **A61B 90/08** (2016.02 - US); **A61F 9/007** (2013.01 - US); **A61M 1/72** (2021.05 - EP); **A61M 1/77** (2021.05 - EP US); **A61M 3/0201** (2021.05 - EP); **G08B 21/182** (2013.01 - US); **A61B 90/96** (2016.02 - EP US); **A61B 90/98** (2016.02 - EP US); **A61B 2090/0803** (2016.02 - EP US); **A61B 2090/0814** (2016.02 - EP US); **A61B 2560/028** (2013.01 - EP US); **A61F 9/00736** (2013.01 - EP US); **A61M 2205/12** (2013.01 - EP US); **A61M 2205/273** (2013.01 - EP US); **A61M 2210/0612** (2013.01 - EP US)

Citation (applicant)

- US 6036458 A 20000314 - COLE MARK S [US], et al
- US 8491528 B2 20130723 - MURI JOHN I [US], et al
- US 2010249693 A1 20100930 - LINKS JEREMY T [US]

Citation (search report)

- [AD] US 6036458 A 20000314 - COLE MARK S [US], et al
- [A] US 2015320948 A1 20151112 - EICHER JOACHIM [DE], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 10363111 B2 20190730; **US 2017224429 A1 20170810**; AU 2017214564 A1 20180823; CA 3013761 A1 20170810; EP 3411090 A1 20181212; EP 3549621 A1 20191009; US 11633531 B2 20230425; US 2019298474 A1 20191003; WO 2017136724 A1 20170810

DOCDB simple family (application)

US 201615017501 A 20160205; AU 2017214564 A 20170203; CA 3013761 A 20170203; EP 17705750 A 20170203; EP 19166895 A 20170203; US 2017016504 W 20170203; US 201916443648 A 20190617